



CCK-8 (Cholecystokinine Octapeptide) Data Sheet

Catalog Number:	RA20078	Host:	Rabbit
Product Type:	Whole Serum	Species	Rat, Mouse
Immunogen Sequence:	Sulfated CCK-8 (26-33) coupled to bovine thyroglobulin (BTg) with glutaraldehyde.	Reactivity:	
		Format:	Lyophilized 100 ul with 0.09% sodium azide as a preservative.
Applications:	Immunofluorescence: 1:100-1:200 (Fluorescein) 1:500-1:1,000 (Streptavidin/HRP)		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Reconstitution:	Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be cooled during shipping. For long-term storage, store lyophilized antibody until ready to use at -15° C or lower. Reconstitute with 100 µL of distilled or deionized water.		
Storage:	Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. <i>Avoid repeated freeze-thaw cycles.</i>		

Application Notes

Tissue Preparation:

10 µm cryostats

•Fixative: 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4; 500 mL over ~20-30 min.

•Post Fixation: 1.5 hr. at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.

Immunohistochemistry:

The antibody has significant indirect immunofluorescent staining at a 1/100-1/200 dilution and significant Biotin-Streptavidin/HRP immunostaining at a 1/500-1/1,000 dilution in rat hypothalamus and spinal cord. The specificity of the antiserum was examined by soluble pre-adsorption with the peptides in question at a final concentration of 10⁻⁶M CCK-8 immunolabeling was completely abolished by pre-adsorption with CCK-8, gastrin 17 and gastrin 34. Pre-adsorption with the following peptides resulted in no reduction of immunostaining: αCGRP, βCGRP, neurotensin, somatostatin, substance P, leucine enkephalin, methionine enkephalin, VIP, neuropeptide Y, gastric inhibitory polypeptide, bombesin, glucagon, peptide YY, and FMRF amide.

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